

Relative comparison

Analysis of Relative ppm values as read by MultiRAE compared to HAPSITE values at 417 S Canyon

Analyte Name	CAS Number	EPA Residential Air RSLs (ug/m3)	HAPSITE Final ppm	HAPSITE value converted to ug/m3	Comparison of relative concentrations of analytes as measured by MultiRAE results - converted to ug/m3				
					40 ppm relative	5 ppm relative	1 ppm relative	500 ppb	250 ppb
Benzene	71-43-2	0.36	0.0669	213.9	26.7	5.3	2.7	1.3	
Cyclohexane	110-82-7	630	5.0426	17357.1	2169.6	433.9	217.0	108.5	
Ethylbenzene	100-41-4	1.1	0.1403	609.1	76.1	15.2	7.6	3.8	
Hexane	110-54-3	73	6.6578	23465.6	2933.2	586.6	293.3	146.7	
Toluene	108-88-3	520	0.5083	1915.5	239.4	47.9	23.9	12.0	
Xylene, P-	106-42-3	10	0.4699	2040.3	255.0	51.0	25.5	12.8	

KEY

RED = MultiRAE relative results exceed EPA Residential Air RSLs

Grey = used for calculation

Relative comparison

Mixed at 40 ppm		Concentration of analytes (HAPSITE) (mg/m3)
100 ppb	g/mol	
0.5	78.11	0.214
43.4	84.16	17.357
1.5	106.17	0.609
58.7	86.18	23.466
4.8	92.14	1.915
5.1	106.17	2.040